Title (en)

Vehicle front wheel speed change apparatus

Title (de)

Gerät zur Geschwindigkeitsänderung eines Fahrzeugvorderrades

Title (fr)

Appareil à variation de vitesse d'une roue avant de véhicule

Publication

EP 0864482 A2 19980916 (EN)

Application

EP 98301795 A 19980311

Priority

GB 9705056 A 19970312

Abstract (en)

A system for accelerating the front wheels of a vehicle, eg an agricultural tractor, on turning a corner, comprises steering angle sensors (21) which, via a control unit (22) enable or disable drive to the front wheels from a hydraulic motor (11). The drive from the hydraulic motor from the front wheels is via a one-way clutch (14). The hydraulic motor (11) is powered by a pump (6) driven either directly from the vehicle engine or from the main transmission. <IMAGE>

IPC 1-7

B62D 9/00; B60K 17/356; B60K 23/08

IPC 8 full level

B62D 6/00 (2006.01); **B60K 6/08** (2006.01); **B60K 17/10** (2006.01); **B60K 17/348** (2006.01); **B60K 17/356** (2006.01); **B60K 23/08** (2006.01); **B62D 9/00** (2006.01); B62D 105/00 (2006.01)

CPC (source: EP US)

B60K 6/08 (2013.01 - EP US); **B60K 17/10** (2013.01 - EP US); **B60K 17/356** (2013.01 - EP US); **B60K 23/08** (2013.01 - EP US); **B60W 30/18145** (2013.01 - EP); **B62D 9/00** (2013.01 - EP US); B60W 2540/18 (2013.01 - EP); B60Y 2200/221 (2013.01 - EP US)

Cited by

EP1000793A3; FR3020787A1; CN106414144A; RU2674396C2; EP2730447A1; EP2952375A1; US7195345B2; US10228035B2; WO2015170023A1; WO2012163375A1; US9096127B2; US9694679B2; US6382339B1; US6637535B2

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